Storkerson, S.
Ice-trip
1918
Meteorological, etc

G. S. 145. E.

Canada Public
Dept. of Naval Service
Canadian Arctic Expedition
Meteorological Observation 5th Ice Trip
April 17th, 1918. to October 11, 1918

The diary begins February 24. (Sunday) 1918
Ice trip began April 17th (Wednesday)
Ended diary Nov 9th (Saturday) at Oliktook. (Beechey Pt

[No Temperatures given]

# Meteorological Observations 5th Ice Trip, beginning April 17. 1918. (Storker Storkerson).

| Month | Date | Remarks | Time Temp. | Bar. | Wind | Vel. | Clouds | Amt | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| Aug. | 15 | Freezing | 8 a.m. | 29.56 | SSW | 2 | Stratus | 10 | Clouds overhead and [illegible]<br>Clouds streaky in south |
| " | 15 | Thawing | 2 pm | 29.56 | SSW | 1 | Cumulus | | |
| " | " | " | 8 30 pm | 29.57 | SW | 1 | Stratus | 10. | " " " " |
| " | 16 | " | 8 30 a.m. | 29.74 | NNW | 2 | Nimbus | 10 | Slight Sleet |
| " | " | " | 2 pm | 29.86. | " | 3 | Str. fog<br>Str. Cumulus | 16 | |
| " | " | Freezing | 8 pm | 29.94 | " | 1 | | | Snowing |
| " | 17 | " | 8 [illegible] a.m. | 30.14 | W. | 1 | Str. Cumulus | 10 | Slight snow. |
| " | " | " | 2 p.m. | 30.19 | W. | 1 | Cirro-Str. | 10 | Fog on the SW |
| " | " | " | 8 [illegible] pm | 30.24 | W. | 1 | Stratus | 10 | |
| " | 18 | " | 8 am | 30.32 | SWxS | 1 | Str. Cum. | 10 | |
| " | " | Thawing | 2 pm | 30.33 | SW | 1 | " " | 10 | |
| " | " | Freezing | 8 pm | 30.33 | SW. | 1 | " " | 10 | |
| " | 19 | " | 8 15 am. | 30.2[illegible]. | S. | 3 | " " | 10 | |
| " | " | Thawing | 2 pm | 30.11 | SxE | 4 | Cirro-Str. | 10 | |
| " | " | Freezing | 8 pm | 29.9 | SxE | 5 | " Cumulus | | |

[illegible] Slight sleet 12 [illegible]

| 1918<br>Month | Date | Remarks | Time | Temp | Bar. | Wind | Fl. | Clouds | Amt | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| Aug. | 20 | Sledging | 8 a.m. | | 29.80 | WxN. | 4 | Strato-Cumulo | 8 | |
| " | " | " | 2 p.m. | | 29.78 | WxS | 4 | " | | |
| " | " | " | | | 29.77 | WSW | 5 | Cum. with scud | 9 | Rain and sunshine A.M. |
| " | 21. | " | 8. a.m | | 29.59 | SSW | 2 | Nimbus | 10 | Slight snow in P.M. |
| " | " | " | 2 pm | | 29.50 | SxE | 2 | " | 10 | ½ in snow during night |
| " | " | " | 8 pm | | 29.38 | SSE. | 2 | " | 10 | Snowing. 1½" snow - still snowing |
| " | 22 | " | 8 15 Am | | 29.28 | E | 5 4 | " | 10 | Snowing heavy |
| " | " | " | 2 pm | | 29.22 | E | 5 | " | 10 | Snow abated at 2 30 |
| " | " | " | 8 pm | | 29.27 | SE. | 7 | " | 10 | Intermittent snow thro P. |
| " | 23 | " | 8 30 am | | 29.30 | NW | 3 | " | 10 | Light snow |
| " | " | " | 2 15 pm | | 29.32 | WNW | 4 | " | 10 | Snowing slightly |
| " | " | " | 8 pm | | 29.36 | NW | | " | 10 | Snowing |
| " | 24 | " | 8 am | | 29.40 | SWxS | 1 | " | 10 | |
| " | " | Thawing | 2 30 pm | | 29.44 | Var. Air | | Str. Cum | 10 | Clear at intervals |
| " | " | Sledging | 8 pm | | 29.42 | NW | 2 | " | " | |
| " | 25 | " | 8 am | | 29.40 | W | 6 | " " | 10 | Intermittent snow. |
| " | " | " | 2 pm | | 29.36 | WNW | 8 | Stratus | 10 | |
| " | " | " | 8 pm | | 29.36 | WNW. | 7 | Nimbus | 10 | Int. snow squalls. |
| " | 26 | " | 8 am | | 29.36 | WNW | 5 | " | | do |
| " | " | " | 2 10 pm | | 29.40 | WNW | 4 | Str. Cum | 10 | Snow; sky cleared 8 15 pm. |
| " | " | " | 8 pm | | 29.40 | WNW | 4 | Strata | | Sunset red 12 m |

1948.

| Month | Date | Remarks | Time | Temp | Bar. | Wind | Vel. | Clouds | Amt | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| Aug. | 27. | Freezing | 8 am. | | 29.30 | SS×E | 4 | Nimbus | 10 | 2 in Snow during night |
| " | " | " | 2.15 pm | | 29.34 | SE×E | 4 | St.-Cum | 6 | |
| " | " | " | 8 pm | | 29.46 | E | 3 | Str. Cum | 8 | Intermittent Snow squall. |
| " | 28 | " | 8 am | | 29.54 | E×S | 4 | Str Cum | 9 | Ice 5/8" thick on fresh water |
| " | " | " | 2 pm | | 29.62 | ESE. | 5 | Nimbus | 10 | |
| " | " | " | 8 pm | | ~~29.60~~ | ESE. | 6 | " | 10 | Slight sleet |
| " | 29 | thawing | 8 am | | 29.60 | SE×S | 4 | Fog | 10 | |
| " | " | " | 2 pm | | 29.66 | S×SE | 3 | ~~Nimbus~~ | 10 | Intermittent rain |
| " | " | " | 8 pm | | 29.60 | NW | 4 | ~~Str~~ Nimbus | 9 | |
| " | 30 | Freezing | 8 am | | 29.88 | NW | 4, | Str-Cum. | 9 | |
| " | " | " | 2 pm | | 30.03 | W | 5 | Fog. | 7 | Clear overhead |
| " | 30 | " | 8 pm | | 30.06 | SSW | 3 | Str Cum | 10 | Fog during pm |
| " | 31 | thawing | 8 am | | 30.00 | SSW | 3 | Cumulo fog | 10 | Cloud then overcast |
| " | " | " | 2 pm | | 30.00 | SSW | 4 | Str. Cum. | 10 | Cleared (fog at 12 m |
| " | " | Freezing | 8 pm | | 29.42 | SE | 4 | Str Cum. | 10 | Slight rain 6.30 pm |

| 1918 | Remarks | Time. | Bar. | Wind | Vel. | Clouds. | Amt. | Remarks |
|---|---|---|---|---|---|---|---|---|
| Sept. 1 | Thawing | 8 a m | 29.62 | SE | 3 | Cumulus | 10 | Rain showers during night |
| " " | " | 2 p.m | 29.58 | SW | 4 | Nimbus | 10 | Wind changed 1 pm |
| " " | " | 8 pm | 29.66 | SWxS | 3 | " Fog | 10 | Rain during a.m. Intem. Showers pm |
| Sept. 2 | " | 8 30 a.m. | 29.58 | E. | 2 | Nimbus | 10 | Intermittent rain ~~in~~ night |
| " " | " | 2 p.m | 29.44 | SSE. | 3 | " | 3 | Intem. Showers |
| " " | Freezing | 8 20 pm | 29.44 | SxE | 2 | Fog | 7 | Cleared at 4 30 pm |
| " 3 | " | 8 15 a.m. | 29.42 | SxE | 2 | Cir Str. | 7 | Clouds during forenoon Overcast since 12 40 pm |
| " " | Thawing | 2 pm | 29.46 | SxW | 3 | Nimbus | 10 | after which [illegible] |
| " " | Freezing | 8 pm. Snow | 29.58 | SW | 8 | Str Cum | | Intermittent 1 am Snow |
| Sept. 4 | Freezing | 8 am | 29.78 | SW | 7 | Nimbus | 10 | Wind increased at 5 30 pm |
| " " | " | 2 pm | 29.84 | WSW | 4 | Stratus | 10 | |
| " " | " | 8 pm | 29.86 | WxS | 1 | Snow | 10 | Squally during night |
| Sept. 5 | " | 8 30 am | 29.94 | WxS | 4 | Nimbus | 10 | Intem. Snow squalls |
| " " | " | 2 pm | 30.00 | WxS | 5 | Str-Cum. | 10 | Sun visible at |
| " " | " | 8 pm | 30.04 | WxS | 4 | " " | 6 | intervals |
| Sept. 6 | " | 8 am | 30.36 | Calm | 0 | " " | 10 | Fresh water ice bears the weight of a man |
| " " | " | 2 pm | 30.34 | ~~E~~ S | 2 | " " | " | Sun visible at intervals |
| " " | " | 8 30 pm 20 at night Est | 30.22 | S | 4 | Stratus | 10 | Salt water froze during night |

| 1918 | Remarks | Time | Bar. | Wind. | Vel. | Clouds | Amt. | Remarks |
|---|---|---|---|---|---|---|---|---|
| Sept. 7. | Freezing | 8 am | 29.82 | SSW | 4 | Str. | 10 | Snowing wind during night |
| " " | " | 2 pm | 29.84 | S | 2 | Str. Nimbo | 10 | ~~Snowing~~ heavy mist and fog until then Snowing |
| " " | Thawing | 8 pm | 29.78 | W | 2 | Nimbo | 10 | |
| Sept-8 | Freezing | 8$^{10}$ am | 29.78 | NW | 5 | Str-Cum. | 10 | Wind increased during night |
| " " | " | 2 pm | 29.79 | NW×W | 5 | Cumulus. | 9 | |
| " " | " | 8 pm | 29.80 | NW×W | 5 | Str-Cum | 10 | Wind irregular |
| Sept 9 | " | 8 am | 29.77 | W | 4 | Str. Cum. | 10 | |
| " " | " | 2$^{10}$ pm | 29.78 | W | 4 | Stratus | 10 | |
| " " | " | 8 pm | 29.70 | W | 3 | " | 10 | |
| Sept-10 | " | 8 am | 29.68 | SW | 2 | " | 10 | At noon I found vane flag had turned since last observation causing me to judge the wind about 4 points S and E. too much |
| " " | " | 2 pm | 29.69 | S | 3 | " | 10 | |
| " " | " | 7.15 pm | 29.70 | S | 3 | " | 10 | |
| Sept-11 | Freezing | 8 am | 29.74 | S | 3 | " | 10 | |
| " " | " | 2 pm | 29.78 | S | 4 | " | 10 | |
| " " | " | 8 pm | 29.78 | S | 5 | " | 10 | |
| Sept. 12. | " | 8 am | 29.65 | S×W | 7 | Str-Cum. | 10 | Intermittent clear spells during forenoon |
| " | Thawing | 2 pm. | 29.54 | S×W | 8 | Nimbus | 10 | Sleet heavy |
| " " | Freezing | 8 pm | 29.54 | SSW | 7 | " | . | Slight snow |

| 1918 | Remarks | Time | Bar. | Wind | Vel. | Clouds | Amt. | Remark |
|---|---|---|---|---|---|---|---|---|
| Sept. 13 | Freezing | 8 a.m +20 approx | 29.84 | W | 3 | Strato-Cum | 9 | Intermittent snow squalls |
| " " | " | 2 pm +25 " | 29.95 | SWxW | 4 | " " | 7 | Snow on top |
| " " | " | 8 pm | 30.00 | SW | 3 | Stratus | 10 | |
| Sept. 14 | " | 8 30 a.m | 29.92 | SSE | 3 | Stratus | 10 | |
| " " | " | 2 pm | 29.87 | S½W | 4 | Nimbus | 10 | Snowing first rain and sleet from 10 30 am to 1 pm |
| " " | " | 8 pm | 29.90 | S | 3 | Stratus | 10 | |
| Sept. 15 | " | 8 a.m. | 29.90 | E | 1 | Cirro-Sto | 3 | Intermittent sleet |
| " " | " | 2 40 p.m | 29.70 | NNE | 3 | Cirrus | 3 | ½" ice [illegible] locality from 12 M to 8 pm |
| " " | " | 8 p.m | 29.71 | NExN | 3 | " | 1 | |
| Sept. 6 | " | 8 am | 29.47 | NE | 4 | Stratus fog | 10 | |
| " " | " | 2 30 pm | 29.22 | ENE | 5 | Nimbus | 10 | Heavy rain commenced at 11 am |
| " " | " | 8 pm | 29.10 | ENE | 1 | Nimbus fog | 7 | Rain ceased 2 30 pm |
| Sept. 17 | Freezing | 8 15 am | 29.37 | SW | 2 | Fog | 9 | Clear overhead |
| " " | Thawing | 2 30 pm | 29.46 | NW | 1 | fog | 7 | " " at [illegible] |
| " " | Freezing | 8 pm | 29.43 | ENE | 1 | Cirri fog | 3 | Clear overhead |

No temperature observation as at approx made. First really cold weather
~~Out~~sleet Oct. 8. —20 approx Oct 10 —20 approx Oct 11. —6 below

Obs. by S. T. S. Time by E. L. K.

| | | | | |
|---|---|---|---|---|
| Aug. 14. 1918. | Mer. Alt. | 60° 58' 40" | Mercury horizn | |
| Aug 17. 1918 | " " | 59° 1' 40" | approx. temp. + 32° F. | |
| " 14 " | " " | 57° 38' 30" | Mercury horizn lower limb | " " 32° F. |
| " 24 " | " " | 54°06' 20" | Mercury horizn | 32° F appr |
| " 30 " | " " | 44° 51' 50" | approx + 30° F | |
| Sept 3 " | " " | 46° 41' 00" | approx. + 30° F. | |
| " 13 | " " | 39° 23' 10" | " 30° F. | |
| Sept 15. | " " | 31° 43' 20" | | |
| " 23 | " " | 30° 6' 40" | Mercury horizn | |
| October 1st 1918 | " " | 25° 19' 00" | | |
| " 8. " | " " | 20° 03' 00" | | |

S.T. Storkerson's diary

August ~~15th~~ 14th. ~~Thursday~~ Wednesday — ~~— wind abated~~

This stormy wind has set the ice in violent motion. The lead is opening and closing as floes crowd and jolt each other — Position at noon is 73° 37' 16" N. lat 149° 68' 00" W. long a drift of over 5 nautical miles SE × S with wind W and WSW. Why is it that we are drifting diagonally with the wind instead of straight before it?

Ice formed in fresh water pools during night

Aug 15th (Thurs). Wind abated during the night — During the day no relative motion in the lead which is open in places as far as can see East of Camp. From straight back of Camp westward the lead is continuous for about 2 miles 80 to 200 yards wide

Aug 16 (Friday). During the night wind changed to north and light ice formed in edge of pools

Aug. 17 (Sat.) Ice was 1/4" thick on pools this morning and covered by fine snow. Lead has opened to about 100 yards in places but no other motion has occurred

position -- N. Lat 73° 39' 37" W. Long 149° 43' 45"

Sounded depth 2970 meters, no bottom

Observations showed 5 miles drift NE by E 1/4 E in three days

-- Frank Klein -- reported water fresh in the lead, and that he has seen no seals. As long as water remains fresh it's no use sealing before October. If water was salt I think that the seals would float the whole summer out here as weather is too cold for them to sleep much on the ice. Ice fog still settled camp.

Aug. 18 (Sun.) Freezing morning and night. Cloudy weather

~~Apr.~~ August 19 (Mon.) Pretty cloudy

Aug. 20 (Tu.) Freezing

" 21 - 3" snow fell during night 1 1/2" snow no wolves

9 seen at last camp

Aug. 22. (Thurs) Snow fell all night. Ice in violent motion.

Aug 23 Difficult to walk or run around on the ice now snow has filled every hole and crevice, and young ice is not strong enough to hold a man. Bear seen and followed

Aug 24 Snow fell apparently all night

Aug 25 (Sun) Regular winter weather

Sept. 1. Intermittent rain showers

Aug 20th All ~~the~~ the necessary for cold weather so pools on the ice could commence
ice and the fresh water in the lakes would freeze so open cracks and holes are
freezing. At present pools and [illegible] can't be seen & ground generally
covered by snow so the dangerous places [illegible] is to walk over bumps of ~~the~~ least so I will not
to walk ~~off~~ on the ice or at the land is to [illegible] at present no free water
Anyway no seals would float at present so it is not safe to walk about on the ice
commence sealing on account before it [illegible]

Aug 30, 1918
Ice on pools 1 inch thick
Our latitude today is ten miles North of our Cape sounding

Sept 8. SW gale increases to strong gale during the night
gale abated to SE towards morning. Much ice forward during
the night. Water froze inside of our tent for the first time in
Also [illegible] and a half

Sept 9 - Magnificent [illegible] [illegible] sealed the whole day.
Magnificent [illegible] and [illegible] the largest seals I have seen
fortunate to get so far. They can not be weighed on our scale but
we estimated them at 1000 lbs each

Sept 10 - [illegible] weather at [illegible] [illegible]. Our lat 73° 47' 11" N